

## REFERENCES

1. U. S. Navy, "Numerical Weather Prediction," *NAVAER* 50-1P-541, June 1956, 143 pp.
2. P. D. Thompson, and W. L. Gates, "A Test of Numerical Prediction Methods Based on the Barotropic and Two-Parameter Baroclinic Models," *Journal of Meteorology*, vol. 13, No. 2, Apr. 1956, pp. 127-141.
3. H. A. Panofsky et al., "Properties of Vertical Motion, January 1-10, 1953," *Scientific Report* No. 1 (Contract No. AF 19(604)-1025) Pennsylvania State University, Oct. 1955, 50 pp.
4. William Lewis, "Forecasting 700-mb. Dewpoint Depression by a 3-Dimensional Trajectory Technique," *Monthly Weather Review*, vol. 85, No. 9, Sept. 1957, pp. 297-301.
5. A. K. Showalter, "Precipitable Water Template," *Bulletin of the American Meteorological Society*, vol. 35, No. 3, Mar. 1954, pp. 129-131.

## Weather Notes

## LOWEST TEMPERATURE IN GREENLAND

In her excellent article on the lowest temperatures observed on earth Miss Stepanova [1] accepts  $-64.8^{\circ}\text{C}$ . ( $-84.6^{\circ}\text{F}$ .), recorded at two sites on the icecap, as the lowest temperature observed in Greenland. It would be reasonable to expect that this value might be exceeded in other parts of the icecap. And indeed, a lower temperature has been recorded at the British station "Northice" ( $78^{\circ}04'\text{N}$ .,  $38^{\circ}29'\text{W}$ ., elevation 2,345 meters).

In looking over the radio-teletypewriter transmissions for Northice, early in 1954, we were surprised to note a temperature of  $-94^{\circ}\text{F}$ . on January 9. In correspondence with the British Meteorological Office, we learned that this value was in error; the actual minimum recorded for that day was  $-86.8^{\circ}\text{F}$ ., which was nevertheless the lowest temperature as yet recorded in Greenland.<sup>1</sup>

<sup>1</sup> Ed. Note: In a personal communication, Miss Stepanova states that unfortunately the documentation [2] of this record low temperature in Greenland was not available to her when she compiled her report [1]. She is pleased that Mr. Quiroz has brought the record up to date in his note.

This occurrence was later documented by Hamilton and Rollitt [2]. Instrumental error is shown to have been small. Altogether, temperatures below  $-75^{\circ}\text{F}$ . were recorded on 16 occasions in a period of 20 months (November 1952-June 1954), suggesting that values significantly lower than  $-86.8^{\circ}\text{F}$ . might be expected over a longer period of time.—Roderick S. Quiroz, *U. S. Air Weather Service Climatic Center, Washington, D. C.*

## REFERENCES

1. Nina A. Stepanova, "On the Lowest Temperatures on Earth," *Monthly Weather Review*, vol. 86, No. 1, Jan. 1958, pp. 6-10.
2. R. A. Hamilton and G. Rollitt, "British North Greenland Expedition 1952-54. Climatological tables . . .," Denmark, Kommission for Videnskabelige Undersøgelser i Grønland, Meddelelser om Grønland, vol. 158, No. 2, 1957.